

What is claimed is:

1. An isolated antibody or fragment thereof that specifically binds to a protein selected from the group consisting of:
  - (a) a protein consisting of amino acid residues 1 to 132 of SEQ ID NO:2;
  - (b) a protein consisting of a fragment of SEQ ID NO:2, wherein said fragment comprises at least 30 contiguous amino acid residues of SEQ ID NO:2;
  - (c) a protein consisting of a fragment of SEQ ID NO:2, wherein said fragment comprises at least 50 contiguous amino acid residues of SEQ ID NO:2;
  - (d) a protein consisting of the full-length polypeptide encoded by the cDNA contained in ATCC Deposit Number 97287;
  - (e) a protein consisting of the mature form of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97287;
  - (f) a protein consisting of a fragment of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97287, wherein said fragment comprises at least 30 contiguous amino acid residues of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97287; and
  - (g) a protein consisting of a fragment of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97287, wherein said fragment comprises at least 50 contiguous amino acid residues of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97287.
2. The antibody or fragment thereof of claim 1 that specifically binds protein (a).
3. The antibody or fragment thereof of claim 1 that specifically binds protein (b).
4. The antibody or fragment thereof of claim 1 that specifically binds protein (c).
5. The antibody or fragment thereof of claim 1 that specifically binds protein (d).
6. The antibody or fragment thereof of claim 1 that specifically binds protein (e).
7. The antibody or fragment thereof of claim 1 that specifically binds protein (f).

8. The antibody or fragment thereof of claim 1 that specifically binds protein (g).
9. The antibody or fragment thereof of claim 2 that specifically binds protein (b).
10. The antibody or fragment thereof of claim 3 wherein said protein bound by said antibody or fragment thereof is glycosylated.
11. The antibody or fragment thereof of claim 3 which is a human antibody.
12. The antibody or fragment thereof of claim 3 which is a polyclonal antibody.
13. The antibody or fragment thereof of claim 3 which is a monoclonal antibody.
14. The antibody or fragment thereof of claim 3 which is selected from the group consisting of:
  - (a) a chimeric antibody;
  - (b) a humanized antibody;
  - (c) a single chain antibody; and
  - (d) a Fab fragment.
15. The antibody or fragment thereof of claim 3 which is labeled.
16. The antibody or fragment thereof of claim 15 wherein the label is selected from the group consisting of:
  - (a) an enzyme;
  - (b) a fluorescent label;
  - (c) a luminescent label; and
  - (d) a bioluminescent label.
17. The antibody or fragment thereof of claim 3 wherein said antibody or fragment thereof specifically binds to said protein in a Western blot.
18. The antibody or fragment thereof of claim 3 wherein said antibody or fragment thereof specifically binds to said protein in an ELISA.

19. An isolated cell that produces the antibody or fragment thereof of claim 3.
20. A hybridoma that produces the antibody or fragment thereof of claim 3.
21. A method of detecting cytostatin II protein in a biological sample comprising:  
    (a) contacting the biological sample with the antibody or fragment thereof of claim 3; and  
    (b) detecting the cytostatin II protein in the biological sample.
22. The method of claim 21 wherein the antibody or fragment thereof is a polyclonal antibody.
23. An isolated antibody or fragment thereof obtained from an animal that has been immunized with a protein selected from the group consisting of:  
    (a) a protein consisting of amino acid residues 1 to 132 of SEQ ID NO:2;  
    (b) a protein consisting of a fragment of SEQ ID NO:2, wherein said fragment comprises at least 30 contiguous amino acid residues of SEQ ID NO:2;  
    (c) a protein consisting of a fragment of SEQ ID NO:2, wherein said fragment comprises at least 50 contiguous amino acid residues of SEQ ID NO:2;  
    (d) a protein consisting of the full-length polypeptide encoded by the cDNA contained in ATCC Deposit Number 97287;  
    (e) a protein consisting of the mature form of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97287;  
    (f) a protein consisting of a fragment of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97287, wherein said fragment comprises at least 30 contiguous amino acid residues of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97287; and  
    (g) a protein consisting of a fragment of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97287, wherein said fragment comprises at least 50 contiguous amino acid residues of the polypeptide encoded by the cDNA contained in ATCC Deposit Number 97287,  
    wherein said antibody or fragment thereof specifically binds to said amino acid sequence.

24. The antibody or fragment thereof of claim 23 obtained from an animal immunized with protein (a).

25. The antibody or fragment thereof of claim 23 obtained from an animal immunized with protein (b).

26. The antibody or fragment thereof of claim 23 obtained from an animal immunized with protein (c).

27. The antibody or fragment thereof of claim 23 obtained from an animal immunized with protein (d).

28. The antibody or fragment thereof of claim 23 obtained from an animal immunized with protein (e).

29. The antibody or fragment thereof of claim 23 obtained from an animal immunized with protein (f).

30. The antibody or fragment thereof of claim 23 obtained from an animal immunized with protein (g).

31. The antibody or fragment thereof of claim 23 which is a monoclonal antibody.

32. The antibody or fragment thereof of claim 23 which is selected from the group consisting of:

- (a) a chimeric antibody;
- (b) a polyclonal antibody;
- (c) a humanized antibody;
- (d) a single chain antibody; and
- (e) a Fab fragment.